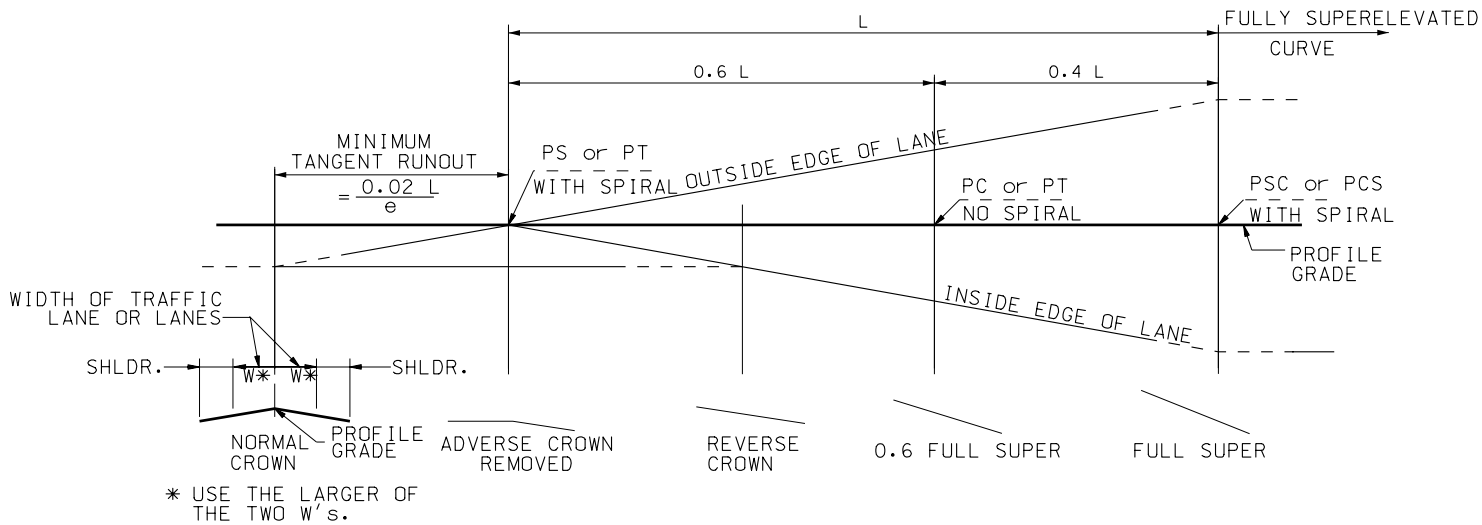


PROFILE - SINGLE CROWN ROAD  
( FOR ONE-DIRECTION ROADWAY CROSS SECTION ONLY )



PROFILE - DOUBLE CROWN ROAD

LEGEND:

- PS = POINT OF SPIRAL
- PT = POINT OF TANGENCY
- PC = POINT OF CURVATURE
- PSC = POINT OF SPIRAL TO CURVE
- PCS = POINT OF CURVE TO SPIRAL
- e = SUPERELEVATION - PERCENT
- W = CROSS SECTIONAL DISTANCE IN FEET FROM AXIS OF ROTATION (NORMALLY THE CONTROL LINE) TO THE OUTER EDGE OF THE TRAFFIC LANE OR LANES.
- L = MINIMUM SUPERELEVATION RUNOFF LENGTH

NOTES

1. USE CURRENT EDITION OF AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS FOR DESIGN OF ROADWAY ELEMENTS.
2. USE CURRENT EDITION OF AASHTO ROADSIDE DESIGN GUIDE FOR CLEAR ZONE REQUIREMENTS.
3. SPIRALS WITH CURVES ARE NOT REQUIRED BUT MAY BE DESIRABLE UNDER HIGH SPEEDS AND SHARP CURVES. WHEN A SPIRAL IS USED, THE LENGTH OF SPIRAL IS EQUAL TO MINIMUM SUPERELEVATION RUNOFF LENGTHS.
4. SUPERELEVATE SURFACED SHOULDERS AT SAME RATE AS TRAFFIC LANES.
5. PLACE THE FOLLOWING INFORMATION ON THE CONSTRUCTION PLANS.  
RATE OF SUPERELEVATION  
BEGIN AND END OF TANGENT RUNOUT  
BEGIN AND END OF SUPERELEVATION RUNOFF IF SPIRALS ARE NOT USED

UTAH DEPARTMENT OF TRANSPORTATION  
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL  
CHAIRMAN STANDARDS COMMITTEE  
APPROVED  
DEPUTY DIRECTOR  
DATE  
JAN.01.2005  
DATE  
JAN.01.2005

SUPERELEVATION  
AND  
WIDENING

STD DWG  
DD 1

STANDARD DRAWING TITLE